

1 BILL NO. S-81-06-21

2 SPECIAL ORDINANCE NO. S- 156-81

3
4 AN ORDINANCE approving Change Order No.
5 14 for Contract 77-W-2 for the Water
6 Works Filtration Plant Additions.

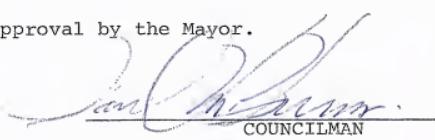
7 BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF
8 FORT WAYNE, INDIANA:

9 SECTION 1. That Change Order No. 14 to McNamee, Porter
10 & Seeley Consulting Engineers, in connection with the Water
11 Works Filtration Plant, for:

12 (1) Adds bracing to the monorail frame
13 for lifting the carbon dioxide burners;
14 (2) Will alarm high and low levels in the
15 carbon slurry feeders, will make the equipment
16 more compatible with the current operations
17 of the plant; (3) Changes the new
welding circuits to be compatible with the
city's existing equipment as requested;
18 (4) Is a circuitry change recommended by
the pneumatic conveyor supplier to prevent
damage to the various diverter values,

19 in the amount of \$7,704.10, as set out in the specifications,
20 which are on file in the Office of the Board of Public Works
21 and are by reference incorporated herein and made a part hereof,
22 be and the same is in all things ratified, confirmed and ap-
proved.

23 SECTION 2. That this Ordinance shall be effective from
24 and after its passage and approval by the Mayor.


John Chesser
COUNCILMAN

25 APPROVED AS TO FORM AND
26 LEGALITY JUNE 19, 1981.

27
28 
29 BRUCE O. BOXBERGER, CITY ATTORNEY
30
31
32

Read the first time in full and on motion by Burns,
seconded by Yerkes, and duly adopted, read the second time
by title and referred to the Committee City Water (and the City
plan Commission for recommendation) and Public Hearing to be held after
due legal notices, at the Council Chambers, City-County Building, Fort Wayne,
Indiana, on 19, the 19 day of June, at 10:00 o'clock M., E.S.T.

DATE: 6-22-81

Charles W. Westerman
CHARLES W. WESTERMAN
CITY CLERK

Read the third time in full and on motion by Burns,
seconded by Eisbart, and duly adopted, placed on its
passage. PASSED (LOSED) by the following vote:

	<u>AYES</u>	<u>NAYS</u>	<u>ABSTAINED</u>	<u>ABSENT</u>	<u>TO-WIT:</u>
<u>TOTAL VOTES</u>	<u>9</u>	<u>0</u>			
<u>BURNS</u>	<u>X</u>				
<u>EISBART</u>	<u>X</u>				
<u>GiaQUINTA</u>	<u>X</u>				
<u>NUCKOLS</u>	<u>X</u>				
<u>SCHMIDT, D.</u>	<u>X</u>				
<u>SCHMIDT, V.</u>	<u>X</u>				
<u>SCHOMBURG</u>	<u>X</u>				
<u>STIER</u>	<u>X</u>				
<u>TALARICO</u>	<u>X</u>				

DATE: 7-14-81

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Passed and adopted by the Common Council of the City of Fort Wayne,
Indiana, as (ZONING MAP) (GENERAL) (ANNEXATION) (SPECIAL)
(APPROPRIATION) ORDINANCE (RESOLUTION) No. S-156-81
on the 14th day of July, 19 81.

ATTEST:

(SEAL)

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

John Nuckols
PRESIDING OFFICER

Presented by me to the Mayor of the City of Fort Wayne, Indiana, on
the 15th day of July, 19 81, at the hour of
11:30 o'clock A.M., E.S.T.

Charles W. Westerman
CHARLES W. WESTERMAN - CITY CLERK

Approved and signed by me this 20th day of July
19 81, at the hour of 11 o'clock A.M., E.S.T.

Winfield C. Moses, Jr.
WINFIELD C. MOSES, JR.
MAYOR

BILL NO. S-81-06-21

REPORT OF THE COMMITTEE ON CITY UTILITIES

WE, YOUR COMMITTEE ON City Utilities TO WHOM WAS REFERRED AN
ORDINANCE approving Change Order No. 14 for Contract 77-W-2 for
the Water Works Filtration Plant Additions

HAVE HAD SAID ORDINANCE UNDER CONSIDERATION AND BEG LEAVE TO REPORT
BACK TO THE COMMON COUNCIL THAT SAID ORDINANCE *do* / *do* PASS.

PAUL M. BURNS, CHAIRMAN

VIVIAN G. SCHMIDT, VICE CHAIRMAN

BEN A. EISBART

SAMUEL J. TALARICO

ROY J. SCHOMBURG

7-14-81 CONCURRED IN
DATE CHARLES W. WESTERMAN, CITY CLERK

Memorandum

To Board of Public Works Date 5/29/81
From Philip R. Boller, Director of Water Resources
Subject Change Order No. 14 - 77-W-2

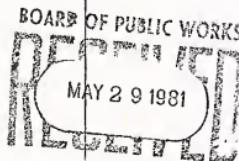
COPIES TO:

Glen Patrick

I recommend Board of Public Works approval for the attached Change Order No. 14 for the Water Works Improvements Filtration Plant Additions for Contract 77-W-2. Also attached please find copy of letter dated 5/14/81 from McNamee Porter & Seeley documenting Change Order #14. Please return signed copies of the Change Order to my office for distribution. Thank you.



*Enclosed
7704.00*



70-200-8

6/3/81

Forwarded June 4, 1981

~~Philip R. Boller~~
Philip R. Boller, P.E.
Glen Patrick



McNamee, Porter and Seeley

3131 SOUTH STATE STREET • ANN ARBOR, MICHIGAN 48104 • (313) 665-6000

ACTIVE PARTNERS

J.H. HOLAND D.H. HOLAND, JR. R.W. FORCE
H.W. VAN EICK S.C. WARTHENEK R.J. SHUTT
R.H. SCHACTEL H.F. RATTER R.C. YOUNGS

RETIRED PARTNERS

R.L. NAMEE W.S. HERBERT J.C. SEELEY

Consulting Engineers

May 14, 1981

REC'D 13 1981

Mr. Philip R. Boller, P.E.
Director of Water Resources
City-County Building
One Main Street
Fort Wayne, Indiana 46801

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Contract 77-W-2

Dear Mr. Boller:

We submit the following documentation concerning
Change Order No. 14 and Change Order No. 15.

Change Order No. 14 is in response to bulletin #12
issued to the contractor March 20, 1981. Clarifications
of the proposed changes were requested on April 9, 1981.
We responded to their requests on April 21, 1981.

Item #1

This change adds bracing to the monorail frame for
lifting the carbon dioxide burners. This frame is
utilized to maintain the burners and was braced to increase
its stability.

Item #2

This item is to alarm high and low levels in the
carbon slurry feeders. This will make the equipment
compatible with the current operations of the plant.
These alarms will assure adequate carbon slurry feed and
also minimize wasteful overflow of the costly carbon.

Item #3

This item changes the new welding circuits to be
compatible with the cities existing equipment as requested
by the owner. During design the welding equipment was

Mr. Philip R. Boller, P.E.
May 14, 1981
Page Two

assumed to be the standard single phase unit and was discovered during construction to require three phase power.

Item #4

Item 4 is circuitry changes recommended by the pneumatic conveyor supplier to prevent damage to the various diverter valves. These requirements were not known during design of the system.

Change Order No. 15 is in response to bulletin #14 issued to the contractor April 20, 1981.

Bulletin #14 was issued at the owners request to eliminate head loss problems occurring at the chlorine dioxide generator panel. The bypass lines around the flow meters was increased from a 3/4" line to a 2" line. This will decrease the pressure at the chlorinator injector and chlorinate more efficiently.

If you require additional information, please feel free to contact us.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY Thomas Larder
Thomas Larder

TL:gh

cc: Mr. Glen Patrick
Mr. Chuck Koons

70-200-8

6/3/81

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MI

RECEIVED

CHANGE ORDER

MAY 22 1981

OWNER: City of Fort Wayne, IN

McNAMEE, PORTER & SEELEY

CONTRACTOR: Hagerman /Shambaugh,
Joint Bidders
510 W. Washington Blvd.
Fort Wayne, IN 46853
CONTRACT NO: 77-W-2

TITLE: Waterworks Improvements
By _____ Filtration Plant Addn's

CHANGE ORDER NO: 14 DATE: May 13, 1981

TO THE CONTRACTOR NAMED ABOVE:

Under the above contract and upon approval of the owner, we hereby direct you to furnish the necessary additional labor, material and equipment to:

Proposed Changes of Bulletin No. 12

1. Knee Braces	ADD	864.00
2. Carbon Slurry Feeders	ADD	3,697.00
3. Welder Circuits	ADD	2,564.00
4. Shambaugh quote on Instrumentation	ADD	579.00
Net change to contract	ADD	\$7,704.00
Current Contract Amount		\$14,941,434.65
THIS CHANGE ORDER, ADD		<u>7,704.00</u>
Revised Contract Amount		\$14,949,138.65

McNAMEE, PORTER AND SEELEY

BY


John M. Holland

DISTRIBUTION:

City - 2

Contractor - 3 (1 Info)

MP&S-1

Resident - 2

Glen Patrick - 1 (1 Info)

File - 1

Change Order No. 14
Contract No. 77-W-3
City of Fort Wayne, IN
DATE: May 13, 1981

ACCEPTED:

DATE

May 15, 1981

CONTRACTOR: Hagerman/Shambaugh, Joint Bidders

BY: *John F. Hagerman*

RECOMMENDED:

DATE

DATE

DATE

APPROVED &
ADOPTED

CITY ENGINEER

DIRECTOR OF WATER
RESOURCES DIV.

BOARD OF PUBLIC WORKS

BY

(Chairman)

ATTEST:

Clerk Board of Public Works

Hagerman Construction Corporation

GENERAL CONTRACTORS



Office: 510 West Washington Blvd. • Phone 219-424-1470
P. O. Box 10690

May 6, 1981

FORT WAYNE, INDIANA 46853

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, Michigan 48104

Re: Water Filtration Plant
Fort Wayne, Indiana
Bulletin 12

Gentlemen:

We are quoting labor and material to make changes as follows:

Item #1 - Knee Braces per Bulletin

Material	\$ 265.00
Labor and Fringes	\$ 430.00
Painting	\$ 90.00
Subtotal	\$ 785.00
Markup	\$ 79.00
Total Add	\$ 864.00

Item #2 - Carbon Slurry Feeders

Electrical	\$ 1,360.00
Painting	\$ 346.00
	\$ 1,706.00
Markup	\$ 171.00
	\$ 1,877.00
Shambaugh Work	\$ 1,820.00
Total Add	\$ 3,697.00

Item #3 - Welder circuits

Electrical - Material	\$ 656.00
Labor	\$ 1,675.00
Electrical Total	\$ 2,331.00
Markup	\$ 233.00
Total Add	\$ 2,564.00

Item #4 As quoted by Shambaugh \$ 579.00

We request a time extension of nine calendar days for this work. This quote will be void if not accepted by July 5, 1981.

Very truly yours,
Ralph E. Turner
HAGERMAN CONSTRUCTION CORPORATION

Shambaugh & Son

INC.

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER

137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

May 7, 1981

May 11, 1981

REB, MCH, DCL

By T. L.

McNamee, Porter & Seeley
3131 South State Street
Ann Arbor, MI 48104

Attention: Mr. Tom Larder

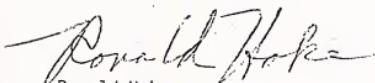
Reference: City of Ft. Wayne, Indiana
Water Works Improvements, Filtration Plant Additions
Shambaugh Job #6272
Bulletin #12

Gentlemen:

This is to confirm my conversation at the weekly meeting on May 6, 1981,
regarding Bulletin #12, Item 4, that our quotation didn't include any field
wiring between panel CP-3 and slide diverter valves if required.

Only the installation of three (3) relays and necessary wiring to incorporate
these in CP-3 was included.

Very truly yours,



Ronald Hoke
Project Manager

RH/tm

cc: Hagerman Construction Corporation/Fort Wayne, IN
Duane Cryer/Shambaugh & Son/Jobsite
James F. Harvey/Shambaugh & Son/File

Shambaugh & Son

MECHANICAL • ELECTRICAL • FIRE PROTECTION • WASTE WATER
INC. 137 Chambeau Road • P.O. Box 1287 • Fort Wayne, Indiana 46801 • Phone (219) 484-0741

May 5, 1981

Hagerman Construction Corporation
510 W. Washington Blvd.
P. O. Box 10690
Fort Wayne, IN 46853

Attention: Mr. Ralph Turner

Reference: City of Ft. Wayne, Indiana
Water Works Improvements, Filtration Plant Additions
Shambaugh Job #6272
Bulletin #12 and #14

Gentlemen:

1. Item #2, Bulletin #12, "Carbon Slurry Alarms" -- Per McNamee, Porter & Seeley's letter dated March 20, 1981, and (April 21, 1981, copy enclosed), we will furnish and mount one (1) electrode head Type E-3 with three (3) stainless steel PVC sheathed electrodes for each rotodip. We will also furnish and install four (4) BW F1093 relays in panel CP4 and wire between relays and annunciator. Central Electric is to wire between electrode head and local control panel and from local control panel to CP-4. No painting work is included if required.

M	L	M/U	TOTAL
930	653	237	\$1,820

2. Item #4, Bulletin #12, Modify pneumatic conveying circuitry with the addition of three (3) relays.

M	L	M/U	TOTAL
210	293	76	\$ 579

3. Bulletin #14 -- Chlorine Dioxide Panel Revisions -- Remove pipe as required and install new 2" PVC bypass with 2" PVC ball valve per Sketch SM-5 dated April 17, 1981, as well as furnishing three (3) 1" flanged spool pieces for meter removal. No painting is included.

M	L	M/U	TOTAL
427	1,065	223	\$1,715

Hagerman Construction Corporation
May 5, 1981
Page 2

Notes: Time extension required is ten (10) calendar days.

This quote is void if not accepted by July 5, 1981.

Very truly yours,

SHAMBAUGH & SON INC.



Ronald Hoke
Project Manager

RH/tm

cc: ✓ Tom Larder/McNamee, Porter & Seeley/Fort Wayne, IN
Duane Cryer/Shambaugh & Son/Jobsite
James F. Harvey/Shambaugh & Son/File

Enc.



McNamee, Porter and Seeley

3131 SOUTH STATE STREET · ANN ARBOR, MICHIGAN 48104 · (313) 665-6000

ACTIVE PARTNERS
J.H. HOLLAND S.H. HOLMQUIST R.W. FOONE
H.R. WATTS C.G. MATTHEWS R.J. SHAY
R.H. MCINTOSH R.F. MITCHELL R.C. TOWERS

RETIRED PARTNERS
R.L. KARMEY V.E. HOMRICH A.C. SEELEY

Consulting Engineers

April 21, 1981

Shambaugh and Sons, Inc.
137 Chambeau Road
P.O. Box 1287
Fort Wayne, Indiana 46801

Attn: Mr. Ron Hoke
Project Manager

Re: City of Fort Wayne, Indiana
Water Works Improvements
Filtration Plant Additions
Bulletin #12

Gentlemen:

The level alarms for the carbon slurry feeders should be the electrode type as described in your letter of 4/9/81. A high alarm relay and a low alarm relay will be required for each unit. The relays should be mounted in CP-4. The plant 3 feeders will require 1 additional #14 wire to each electrode from CP #4 over what is indicated on the drawings. The softening building feeders will require 3 additional wires to each unit from CP #4.

The electrode holder can be mounted inside of the carbon slurry well with low alarm 1 1/4" off the bottom and high alarm 4 1/4" off the bottom. I would suggest the electrode be provided slightly longer than need and then cut in the field. Please contact me or C. Koons if you have any further questions.

Very truly yours,

McNAMEE, PORTER AND SEELEY

BY Thomas Larder
Thomas Larder

!L:gh
c: Mr. C. Koons

, T.C.I., KERMIT JONES *HACCO 111*

McNAMEE, PORTER AND SEELEY
CONSULTING ENGINEERS
ANN ARBOR, MICHIGAN

TO: Hagerman/Shambaugh, Joint Bidders
510 West Washington Blvd.
Fort Wayne, IN 46853

DATE: March 20, 1981

ATTN: Ralph Turner; Ronald Hoke

PROJECT: Fort Wayne, IN
Water Works Improvements
Filtration Plant Addtns.
Contract 77-W-2

BULLETIN NO. 12

INTENT: This is not a change order. This is a request to the Contractor for a detailed price breakdown of proposed changes in the work.

PROPOSED CHANGES:

1. Add knee braces to steel frames at recarbonation tanks as detailed on Sheet S-16 which is being reissued with this Bulletin.
2. Section 37, Carbon Slurry Feeders. Add to each feeder an alarm sensing device that shall signal high or low level or other system malfunction. Contact to be isolated for connection to the annunciators in CP-4.
3. Section 45, Electrical. Make the following changes in the various welder circuits to render them compatible with the Owner's existing welder.

For each of the following circuits change fusing to 30 amp (3-poles) and wire with 3/4" conduit and #10 wires. Circuits affected are MCC-C(14), D(14), G(2), I(4), P(11), S(42), U(6) and X(11).

For all the above outlets, in addition to 8 existing outlets, the receptacle is to conform to NEMA configuration L16-30R and shall be equal to General Electric o. GL-1630. Include appropriate wall plates.

Replace the plug on the existing welder with one compatible with the above receptacles such as G.E. No. GLD-1631.

4. Section 46, Instrumentation. Modify pneumatic conveyor circuitry in CP-3 to inhibit the repositioning diverter valves and slide diverter valves while material is being transported. Such interlocking is to be achieved by inserting normally closed master relay contacts (additional coils needed) into the pushbutton circuits and/or solenoid circuits as needed.

DISTRIBUTION:

Contractor - 10
Philip Boller - 1
Glen Patrick - 1
Don Foland - 1
Chuck Koons - 1
Shop dwg. file - 1
ADK - 1

Enclosures: Revised Drawing S-16

BULLETIN NO: 12

CONTRACT NO: 77-W-2

DATE: March 20, 1981

REASON FOR CHANGES:

1. To stiffen steel frames.
2. To achieve conformity of welder plugs and receptacles throughout the plant.
3. To obtain feeder malfunction alarms for central reporting at CP-4.
4. To avoid possible diverter damage.

Will the work covered by this Bulletin require an extension of the contract completion date? _____
How many calendar days? _____

It is requested that the spaces provided for the change in contract amount, signature and date be filled in and 2 copies returned to this office. A quotation, showing the Bulletin Number and the detailed cost setting forth the breakdown of labor, material and markup, is to be attached to each copy of the Bulletin, showing the addition, credit or no charge for each item.

McNAMEE, PORTER AND SEELEY

BY A.D. Katz

Change in Contract Amount

Net Contract Change _____

\$()

BY _____

DATE _____

5820
OF ORDINANCE CHANGE ORDER #14 FOR CONTRACT 77-W-2 FOR THE WATER WORKS FILTRATION PLANT.

ARTIMENT REQUESTING ORDINANCE BOARD OF PUBLIC WORKS

L-81-06-21

YNOPSIS OF ORDINANCE CHANGE ORDER #14 FOR CONTRACT 77-W-2 FOR THE WATER WORKS FILTRATION PLANT ADDITIONS. CHANGE #1 ADDS BRACING TO THE MONORAIL FRAME FOR LIFTING THE CARBON DIOXIDE BURNERS, CHANGE #2 IS TO ALARM HIGH AND LOW LEVELS IN THE CARBON SLURRY FEEDERS, WILL MAKE THE EQUIPMENT MORE COMPATIBLE WITH THE CURRENT OPERATIONS OF THE PLANT, ITEM #3 CHANGES THE NEW WELDING CIRCUITS TO BE COMPATIBLE WITH THE CITIES EXISTING EQUIPMENT AS REQUESTED, ITEM #4 IS A CIRCUITY CHANGE RECOMMENDED BY THE PNEUMATIC CONVEYOR SUPPLIER TO PREVENT DAMAGE TO THE VARIOUS DIVERTER VALVES. MCNAMEE PORTER & SEELEY ARE THE CONSULTING ENGINEERS.

EFFECT OF PASSAGE THIS CHANGE WILL DECREASE THE PRESSURE AT THE CHLORINATOR INJECTOR AND CHLORINATE MORE EFFICIENTLY.

EFFECT OF NON-PASSAGE ABOVE DESCRIBED CHANGE CANNOT OCCUR.

MONEY INVOLVED (DIRECT COSTS, EXPENDITURES, SAVINGS) \$7,704.10 TO BE PAID FOR BY BOND ISSUES.

ASSIGNED TO COMMITTEE

sa